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PERFORMANCE MEASURES AND TARGETS: ON-ROAD VOC AND NO_x EMISSIONS REDUCTIONS (FROM CMAQ FUNDED PROJECTS)

TPB Performance Measures and Targets

Robert d'Abadie, Transportation Engineer

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National Capital Region
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Agenda Item #8

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- Proposed VOC and NO_x Emissions Reduction Targets for 2026-2027 (2-year) and 2026-2029 (4-year)

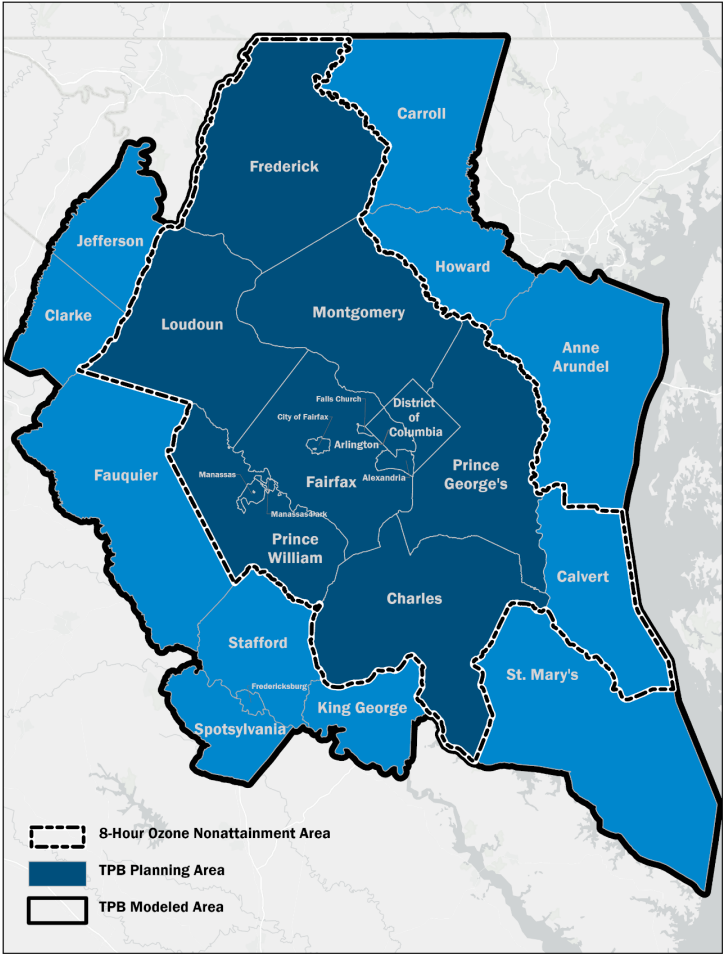


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Emissions Reduction Target - Overview of Requirements

Frequency	Set data-driven Two- and Four-year targets. Update targets Quadrennially.
Targets	Sum of (2- and 4-year) total emissions reductions of Volatile Organic Compounds (VOCs) and Nitrogen Oxides (NO _x) from CMAQ-funded projects as recorded in the CMAQ Public Access System.
Consequences	Not achieving a target may require the states to more clearly demonstrate that CMAQ-funded investments are effectively contributing to emissions reductions.
TPB's Goals	Safety, Maintenance, Reliability, Affordable and Convenient, Efficient System Operations, Environmental Protection , Resilient Region, and Livable and Prosperous Communities.



Map of DC-MD-VA Nonattainment Area, (COG)



Emissions Reductions Targets: VOC & NO_x

Pollutant (kgs/day)	2022-2023 (2 Yr.)		2022-2025 (4 Yr.)		Updated 2- and 4-Yr. Targets	
	Targets	Performance	Targets	Performance	2026-2027	2026-2029
Volatile Organic Compounds (VOC)	0.610	2.716	9.408	308.985	0.556	252.986
Nitrogen Oxides (NO _x)	2.830	2.943	21.117	397.135	3.633	316.973

Past performance exceeded 4-year targets since D.C. and MD chose to use CMAQ funding for Travel Demand Management (TDM) projects, specifically Commuter Connections and goDCgo, which have greater emissions reductions compared to other CMAQ Projects.

Future 4-year targets are less than the emissions reductions for the past 4-year performance period to account for potential changes in TDM program participation and the increasing efficiency of personal vehicles, limiting emissions reductions going forward.

Robert d'Abadie

Transportation Engineer
202-962-3337
rdabadie@mwkog.org

mwkog.org/tpb

Metropolitan Washington Council of Governments
777 North Capitol Street NE, Suite 300
Washington, DC 20002

